CoraLite®594 Anti-Human CD29 Rabbit Recombinant Antibody

Catalog Number:CL594-98188

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL594-98188

Size:
100tests , 5 ul/test

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC020057

GeneID (NCBI):
3688

ENSEMBL Gene ID:
ENSG00000150093

UNIPROT ID:
P05556

Full Name:
integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)

Calculated MW:
88 kDa

Purification Method:
Protein A purification

CloneNo.:
241685C10

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

Integrin beta-1 (ITGB1), also named as CD29, is a 130 kDa single chain type I glycoprotein that is expressed in a heterodimeric complex with one of six distinct α subunits, comprising the very late activation antigen (VLA) subfamily of adhesion receptors. It is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. The β1 subunit is also broadly expressed on lymphocytes and monocytes, weakly expressed on granulocytes, and not expressed on erythrocytes. These receptors are involved in a variety of cell-cell and cell-matrix interactions.

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
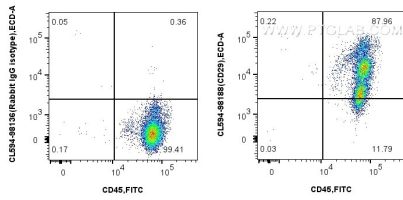**Storage Buffer:**
PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data

1x10^6 human PBMCs were surface stained with FITC Plus Anti-Human CD45 Rabbit Recombinant Antibody (FITC-98117, Clone: 241670E10), and 5 ul CoraLite®594 Anti-Human CD29 Rabbit RecAb (CL594-98188, Clone: 241685C10) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were not fixed.